

A. Identification and Coding Information

1. Project Number	Agency Number	Update Code
033807	W-172.05	Change

3. Project Name: Patuxent WFP Phase II Expansion

4. Program: **Sanitation** 6. Planning Area: Bi-County

2. Date: October 1, 2003

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised:

5. Agency: **WSSC****B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '03	(10) Estimate FY '04	(11) Total 6 Years	(12) Year 1 FY '05	(13) Year 2 FY '06	(14) Year 3 FY '07	(15) Year 4 FY '08	(16) Year 5 FY '09	(17) Year 6 FY '10	(18) Beyond 6 Years
Planning, Design & Supervision	4,017	25	800	3,192	1,609	750	700	133			
Land											
Site Improvements & Utilities											
Construction	26,609			26,609		12,000	11,400	3,209			
Other	3,060		80	2,980	161	1,275	1,210	334			
Total	33,686	25	880	32,781	1,770	14,025	13,310	3,676			

C. Funding Schedule (000's)

WSSC Bonds	33,686	25	880	32,781	1,770	14,025	13,310	3,676			
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D. Description & Justification**DESCRIPTION**

Addition of a sixth treatment train (flocculators, sedimentation basins, disinfectant contact chamber and filters) to the Patuxent WFP. Also included is a fourth raw water main from the Rocky Gorge Dam and Water Pumping Station to the plant, and the modification and expansion of the Rocky Gorge Water Pumping Station.

Service Area Bi-County Area

Capacity 72 MGD nominal/120 MGD emergency

JUSTIFICATION**Plans & Studies**

Patuxent WFP Facility Plan (April, 1997); In-House Study (April, 2002).

Specific Data

Phase I will result in a 56 MGD nominal capacity/72 MGD emergency capacity plant. Phase II will add a sixth treatment train consisting of a three stage flocculation chamber, sedimentation basin with chain and flight solids removal and plate settlers, disinfectant contact chamber, and two deep bed granular carbon filters. A fourth raw water main from Rocky Gorge Water Pumping Station and the modification and expansion of the Rocky Gorge Water Pumping Station will provide a firm raw water pumping/transmission capacity of 120 MGD. These improvements will give the plant a firm nominal capacity of 72 MGD, with emergency capacity of 120 MGD.

Cost Change

Not Applicable.

STATUS Preliminary Design (WSSC Contract Nos. BF1582E91, BF1582G91, BF1582H91,).**OTHER**

The project scope has remained the same. In the event of an outage at the Potomac WFP, additional capacity at Patuxent WFP will reduce customer impacts; however, emergency conservation measures will still be required. WSSC will seek federal funding for this project. Construction will not proceed until both County Councils have approved the raw water main alignment. Costs shown are planning level estimates only and may change based upon the detailed design. Land costs included in WSSC project W-202.00.

COORDINATION

Montgomery County Government, Prince George's County Government, Maryland-National Capital Park & Planning Commission, Potomac Electric Power Company (Baltimore Gas & Electric), Maryland Department of the Environment, Interstate Commission on the Potomac River Basin, Local Community Civic Associations (West Laurel Civic Association) and WSSC Projects W-172.04, Patuxent Water Treatment Implementation and W-172.06, Patuxent WFP Ultraviolet Disinfection Facilities.

NOTE This project supports 100% System Improvement.**E. Annual Operating Budget Impact (000's)** FY of Impact

Program Costs	Staff	
	Other	
Facility Costs	Maintenance	
	Debt Service	2538	09
Total Costs.....		2538	09
Impact on Water or Sewer Rate.....		5¢	09

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 04
Date First Approved	FY 03
Initial Cost Estimate	33,002
Cost Estimate Last FY	33,002
Present Cost Estimate	33,686
Approved Request, Last FY	2,650
Total Expenditures & Encumbrances	25
Approval Request FY 05	1,770
Supplemental Approval Request Current FY (04)	

G. Status Information

Land Status:	Land & R/W to be acquired
% Project Completion:	D-0%
Est. Completion Date:	FY 2008

H. Map Map Reference Code:**MAP NOT AVAILABLE**